

For more information,

Tooele Chemical Stockpile

contact the

Outreach Office

54 S. Main St.

(435) 833-4575

(800) 488-0648

CMA Public Affairs Office

or the

FACT SHEET

WWW.CMA.ARMY.MIL

Deseret Chemical Depot

Tooele Chemical Agent Disposal Facility:

Disposal process



Chemical munitions are transported from the storage igloos to the TOCDF in specially designed On-Site Containers (ONCs). These containers have been designed to protect the munitions against external forces.

Trucks are unloaded and the ONCs enter the TOCDF munition demilitarization building on a conveyor system.

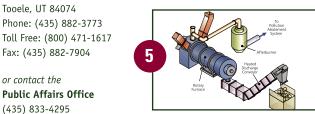




The plant is equipped with a cascading ventilation system that ensures chemical vapors will remain within engineering controls.

In the explosive containment room, (equipped with 28-inch reinforced concrete walls) explosive components are removed from the munition bodies. Explosive components are cut into pieces and fed into the deactivation furnace system.

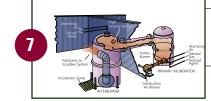




The deactivation furnace system destroys the explosive components using natural gas at a temperature of 1,100°F. Residue is collected and disposed of at a hazardous waste facility.

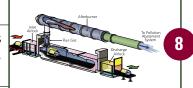
In the munitions processing bay, liquid agent is drained from the munition bodies.





Drained chemical agent is destroyed in a liquid incinerator using natural gas at a temperature of 2,700°F. Chemical agent destruction occurs at 700°F.

Empty munition casings are thermally decontaminated in the metal parts furnace at a temperature of 1,400-1,600°F. The decontaminated metal is recycled by smelting or disposed of at a hazardous waste landfill.



Tooele_fs_DisposalProcess_10-07.indd